

	Document ID	Issue Date	Pages	Title	Current OR
1	US 20040062220 A1	20040401	35	Locating a wireless user	370/334
2	US 20040037565 A1	20040226	15	Transport of signals over an optical fiber using analog RF multiplexing	398/115
3	US 20030156603 A1	20030821	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
4	US 20030153273 A1	20030814	38	Vector network analyzer applique for adaptive communications in wireless	455/67.14
5	US 20030093187 A1	20030515	188	PFN/TRAC systemTM FAA upgrades for accountable remote and robotics control to stop the unauthorized use of aircraft and to improve equipment management and public safety in transportation	701/1
6	US 20020121892 A1	20020905	21	Modulating device characterization method and apparatus	324/118
7	US 20020105962 A1	20020808	35	Transmitting station for wireless telephone system with diversity transmission and	370/442
8	US 20020101847 A1	20020801	36	Wireless telephone system with diversity transmission and method	370/347
9	US 20020097704 A1	20020725	36	Receiving station for wireless telephone system with diversity transmission and	370/342
10	US 20020093934 A1	20020718	36	Transmitting station for wireless telephone system with diversity transmission and	370/342
11	US 20020089966 A1	20020711	36	Receiving station for wireless telephone system with diversity transmission and	370/342
12	US 20020071435 A1	20020613	35	Transfer station for wireless telephone distribution system with time and space diversity transmission	370/394
13	US 20020067802 A1	20020606	20	System and method for single-ended line analysis for qualification and mapping	379/1.04
14	US 20020015423 A1	20020207	148	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
15	US 20010050926 A1	20011213	60	In-band on-channel digital broadcasting method and system	370/529
16	US 20010046266 A1	20011129	149	Apparatus and method for scdma digital data transmission using orthogonal codes and head end modem with no tracking loops	375/259
17	US 20010038318 A1	20011108	214	Phased array antenna applications for universal frequency translation	331/135
18	US 20010024474 A1	20010927	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	375/259

	Current XRef	Inventor	Image Doc. Displayed
1		Bolgiano, D. Ridgely et al.	US 20040062220
2	398/116	Young, Robin et al.	US 20040037565
3		Rakib, Selim Shlomo et al.	US 20030156603
4		Ebert, Paul Michael et al.	US 20030153273
5	701/36	Walker, Richard C.	US 20030093187
6		Vandersteen, Gerd et al.	US 20020121892
7	370/342; 370/347	Bolgiano, D. Ridgely et al.	US 20020105962
8	370/334; 370/442	Bolgiano, D. Ridgely et al.	US 20020101847
9	370/335	Bolgiano, D. Ridgely et al.	US 20020097704
10	370/335	Bolgiano, D. Ridgely et al.	US 20020093934
11	370/441	Bolgiano, D. Ridgely et al.	US 20020089966
12	370/389	Bolgiano, D. Ridgely et al.	US 20020071435
13		Smith, David R. et al.	US 20020067802
14	370/487; 370/503; 370/516	Rakib, Selim Shlomo et al.	US 20020015423
15	370/487; 375/347	Kumar, Derek D.	US 20010050926
16	375/354; 375/371	Rakib, Selim Shlomo et al.	US 20010046266
17	342/371	Johnson, Martin R. et al.	US 20010038318
18	375/354	Rakib, Selim Shlomo et al.	US 20010024474

	Document ID	Issue Date	Pages	Title	Current OR
19	US 20010001616 A1	20010524	149	Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking	375/259
20	US 6697633 B1	20040224	112	Method permitting increased frequency re-use in a communication network, by recovery of transmitted information from multiple cochannel signals	455/509
21	US 6665545 B1	20031216	26	Method and apparatus for adaptive transmission beam forming in a wireless communication system	455/562.1
22	US 6665308 B1	20031216	136	Apparatus and method for equalization in distributed digital data transmission systems	370/441
23	US 6658234 B1	20031202	112	Method for extending the effective dynamic range of a radio receiver system	
24	US 6647250 B1	20031111	149	Method and system for ensuring reception of a communications signal	455/102
25	US 6639393 B2	20031028	26	Methods and apparatus for time-domain measurement with a high frequency circuit analyzer	324/76.19
26	US 6625222 B1	20030923	16	Apparatus and method for high-speed wireless upstream data transmission using CATV-compatible modems	375/259
27	US 6563880 B1	20030513	38	Method and system for simultaneously broadcasting and receiving digital and analog signals	375/260
28	US 6535666 B1	20030318	112	Method and apparatus for separating signals transmitted over a waveguide	385/31
29	US 6529844 B1	20030304	21	Vector network measurement system	702/85

	Current XRef	Inventor	Image Doc. Displayed
19	375/344	Rakib, Selim Shlomo et al.	US 20010001616
20	455/450	Dogan, Mithat Can et al.	US 6697633
21	455/273; 455/63.4	Raleigh, Gregory Gene et al.	US 6665545
22	370/442; 370/479; 370/503; 375/222; 375/233	Rakib, Selim Shlomo et al.	US 6665308
23	342/373; 342/378; 455/276. 1; 455/278. 1; 455/304; 455/305	Dogan, Mithat Can et al.	US 6658234
24	455/61	Bultman, Michael J. et al.	US 6647250
25	324/606; 324/658; 324/76.2 2; 324/765; 330/2; 330/251; 330/277	Tasker, Paul Juan et al.	US 6639393
26	725/111	Bertonis, James G. et al.	US 6625222
27	375/271; 375/302; 375/324; 375/340; 455/102	Hunsinger, Bill J. et al.	US 6563880
28	385/12; 398/82	Dogan, Mithat Can et al.	US 6535666
29	324/601; 324/613; 702/76	Kapetanic, Peter et al.	US 6529844

	Document ID	Issue Date	Pages	Title	Current OR
30	US 6525875 B1	20030225	180	Microscope generating a three-dimensional representation of an object and images generated by such a microscope	359/371
31	US 6498582 B1	20021224	26	Radio frequency receiving circuit having a passive monopulse comparator	342/149
32	US 6487187 B1	20021126	13	Random access control channel gain control and time slot recovery for remote in-band translator in time division multiple access wireless system	370/337
33	US 6483427 B1	20021119	33	Article tracking system	340/10.1
34	US 6466515 B1	20021015	16	Power-efficient sonar system employing a waveform and processing method for improved range resolution at high doppler sensitivity	367/101
35	US 6405147 B1	20020611	26	Signal transfer device measurement system and method	702/112
36	US 6366568 B1	20020402	41	Transfer station for wireless telephone distribution system with time and space diversity transmission	370/320

	Current XRef	Inventor	Image Doc. Displayed
30	359/368; 359/386	Lauer, Vincent	US 6525875
31	342/153; 342/165; 342/173; 342/174	Sweeney, Anthony et al.	US 6498582
32	370/347; 455/101; 455/131; 455/422. 1; 455/507	Schmutz, Thomas R. et al.	US 6487187
33	340/5.8; 340/573. 1; 340/573. 4; 340/825. 49; 342/42; 342/44	Werb, Jay	US 6483427
34	367/99	Alsup, James M. et al.	US 6466515
35	702/108; 702/182; 702/57; 702/70; 702/75	Fera, Peter P.	US 6405147
36	370/321; 370/327; 370/330; 370/335; 370/337; 370/478; 370/479; 370/480; 370/485; 370/501; 375/141; 375/347; 455/14	Bolgiano, D. Ridgely et al.	US 6366568

	Document ID	Issue Date	Pages	Title	Current OR
37	US 6353406 B1	20020305	50	Dual mode tracking system	342/118
38	US 6310704 B1	20011030	112	Communication apparatus for transmitting and receiving signals over a fiber-optic waveguide using different frequency bands	398/9
39	US 6308080 B1	20011023	19	Power control in point-to-multipoint systems	455/522
40	US 6307868 B1	20011023	127	Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking	370/485
41	US 6256485 B1	20010703	15	Wideband radio receiver	455/161.1
42	US 6246698 B1	20010612	58	In-band on-channel digital broadcasting method and system	370/487
43	US 6215983 B1	20010410	113	Method and apparatus for complex phase equalization for use in a communication system	455/63.1
44	US 6208295 B1	20010327	114	Method for processing radio signals that are subject to unwanted change during propagation	342/378
45	US 6185409 B1	20010206	87	Network engineering/systems engineering system for mobile satellite communication system	455/12.1
46	US 6101399 A	20000808	26	Adaptive beam forming for transmitter operation in a wireless communication system	455/561
47	US 6100841 A	20000808	19	Radio frequency receiving circuit	342/149
48	US 6075817 A	20000613	45	Compressive communication and storage system	375/240

	Current XRef	Inventor	Image Doc. Displayed
37	340/10.1; 340/573. 1; 340/825. 49; 342/42; 342/44	Lanzl, Colin et al.	US 6353406
38		Dogan, Mithat Can et al.	US 6310704
39	455/127. 2; 455/561; 455/69	Burt, Donald G. et al.	US 6308080
40	370/516; 375/325; 375/326	Rakib, Selim Shlomo et al.	US 6307868
41	455/196. 1	Heard, William L.	US 6256485
42	370/529; 375/347	Kumar, Derek D.	US 6246698
43	375/324; 375/325; 375/340; 455/303; 455/304	Dogan, Mithat Can et al.	US 6215983
44	342/361; 342/362	Dogan, Mithat Can et al.	US 6208295
45	455/427	Threadgill, Michael E. et al.	US 6185409
46	342/367; 375/232; 455/276. 1; 455/65	Raleigh, Gregory Gene et al.	US 6101399
47	342/153; 342/165; 342/173; 342/174	Toth, John et al.	US 6100841
48	375/377; 380/42	Gruenberg, Elliot L.	US 6075817

	Document ID	Issue Date	Pages	Title	Current OR
49	US 6064694 A	20000516	37	Frequency translating device transmission response system	375/224
50	US 6061555 A	20000509	158	Method and system for ensuring reception of a communications signal	455/313
51	US 6032028 A	20000229	35	Radio transmitter apparatus and method	455/110
52	US 6018317 A	20000125	122	Cochannel signal processing system	342/378
53	US 6014407 A	20000111		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/140
54	US 5956624 A	19990921		Method and system for simultaneously broadcasting and receiving digital and analog signals	455/65
55	US 5953637 A	19990914		Time slot recovery for remote in-band translator in time division multiple access wireless system	455/11.1
56	US 5949813 A	19990907		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/142
57	US 5949796 A	19990907		In-band on-channel digital broadcasting method and system	370/529
58	US 5937006 A	19990810		Frequency translating device transmission response method	375/224
59	US 5909193 A	19990601		Digitally programmable radio modules for navigation systems	342/410
60	US 5903598 A	19990511		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/150
61	US 5859879 A	19990112		Wireless telephone distribution system with time and space diversity transmission	370/330

	Current XRef	Inventor	Image Doc. Displayed
49	324/601; 324/615; 324/76.2 3; 324/76.4 3	Clark, Christopher Joseph et al.	US 6064694
50	370/497; 375/296; 455/102	Bultman, Michael J. et al.	US 6061555
51	332/117; 332/144; 455/103	Dickey, Daniel L. et al.	US 6032028
52	342/373	Dogan, Mithat Can et al.	US 6018317
53	370/208; 375/295	Hunsinger, Bill J. et al.	
54	375/285	Hunsinger, Bill J. et al.	
55	370/324; 370/519; 455/67.1 6	Coons, David D. et al.	
56	375/216; 375/260; 375/285; 375/286; 375/296	Hunsinger, Bill J. et al.	
57	370/487; 375/347	Kumar, Derek D.	
58	324/601; 324/615; 324/76.2 3; 324/76.4 3	Clark, Christopher Joseph et al.	
59	342/413; 701/17	Phillips, William C. et al.	
60	370/208; 708/250	Hunsinger, Bill J. et al.	
61	370/335; 375/141; 455/101	Bolgiano, D. Ridgely et al.	

	Document ID	Issue Date	Pages	Title	Current OR
62	US 5859878 A	19990112		Common receive module for a programmable digital radio	375/316
63	US 5748677 A	19980505		Reference signal communication method and system	375/285
64	US 5745525 A	19980428		Method and system for simultaneously broadcasting and receiving digital and analog signals	375/285
65	US 5663990 A	19970902		Wireless telephone distribution system with time and space diversity transmission	375/138
66	US 5614914 A	19970325		Wireless telephone distribution system with time and space diversity transmission for determining receiver location	342/364
67	US 5502688 A	19960326		Feedforward neural network system for the detection and characterization of sonar signals with characteristic spectrogram	367/131
68	US 5455964 A	19951003		Stabilization of frequency and power in an airborne communication system	455/516
69	US 5162723 A	19921110		Sampling signal analyzer	324/76.19
70	US 4548082 A	19851022		Hearing aids, signal supplying apparatus, systems for compensating hearing deficiencies, and methods	73/585
71	US 4276553 A	19810630		Apparatus and method for determining the position of a radiant energy source	342/357.17
72	US 4140972 A	19790220		System for synchronizing synthesizers of communication systems	455/68
73	US 4119964 A	19781010		Systems and methods for determining radio frequency interference	342/173

	Current XRef	Inventor	Image Doc. Displayed
62	455/74	Phillips, William C. et al.	
63	375/229; 375/260; 375/355; 375/362	Kumar, Derek D.	
64	375/147; 375/216; 375/344; 375/346	Hunsinger, Bill J. et al.	
65	375/141	Bolgiano, D. Ridgely et al.	
66	342/457	Bolgiano, D. Ridgely et al.	
67	367/135; 367/901	Recchione, Michael C. et al.	
68	342/418; 455/431; 455/522; 455/63.1; 455/67.1 4; 455/69; 455/71	Roos, David A. et al.	
69	324/121R ; 455/295; 702/77	Marzalek, Michael S. et al.	
70	381/320; 381/328; 600/559	Engebretson, A. Maynard et al.	
71	342/452	Schaefer, Gustave J.	
72	375/357; 375/364; 455/265; 455/502	Fletcher, James C. Administrator of the National Aeronautics and Space et al.	
73	455/67.1 3	Fletcher, James C. Administrator of the National Aeronautics and Space et al.	

	Document ID	Issue Date	Pages	Title	Current OR
74	US 3996590 A	19761207		Method and apparatus for automatically detecting and tracking moving objects and similar applications	342/465
75	US 3953856 A	19760427		Method and apparatus for mapping and similar applications	342/458
76	US 3795911 A	19740305		METHOD AND APPARATUS FOR AUTOMATICALLY DETERMINING POSITION-MOTION STATE OF A MOVING OBJECT	342/106

	Current XRef	Inventor	Image Doc. Displayed
74	342/107; 342/126; 701/223; 701/300	Hammack, Calvin Miles	
75	342/125; 342/126; 342/191	Hammack, Calvin Miles	
76	342/107; 342/463	Hammack, Calvin Miles	

L Number	Hits	Search Text	DB	Time stamp
1	554	(frequency adj2 translat\$3) and calibrat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:03
2	31	((frequency adj2 translat\$3) and calibrat\$4) and vector near3 estimat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 10:51
3	546	(frequency adj2 translat\$3) and calibrat\$4 and signal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:04
4	1112089	((frequency adj2 translat\$3) and calibrat\$4 and signal) and compar\$4 sampl\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:05
5	511	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:05
6	511	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3)) and (signal generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:06
7	272	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3)) and (signal generat\$3)) and (estimat\$4 vector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:07
8	76	((frequency adj2 translat\$3) and calibrat\$4 and signal) and (compar\$4 sampl\$3)) and (signal generat\$3)) and (estimat\$4 vector)) and pluralit\$3 and tone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 11:08
	1036	375/224.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:51
	231	375/225.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:51
	177	375/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:52
	688	375/285.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
	1291	375/346.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
	852	375/347.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:53
	554	375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:54

	4450	1, 2, 3, 4, 5, 6, 375/349.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:55
	0	455/67.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:55
	0	455/63.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
	123	455/284.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
	0	455/226.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
	672	455/226.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
	1196	455/296.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:56
	136	455/131.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
	544	455/313.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
	186	455/316.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:57
	2772	11, 13, 14, 15, 16, 455/316.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 14:58
	0	(period\$3 adj1 calibrat\$4) near3 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:17
	6	calibrat\$4 near3 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:16
	249963	calibrat\$4 same1 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:38
	3208	(period\$3 adj1 calibrat\$4) same1 (pluralit\$3 adj1 tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:18
	8	((period\$3 adj1 calibrat\$4) same1 (pluralit\$3 adj1 tone)) and (observ\$3 adj2 sample)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/03 10:48

-	248229	calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:39
-	67776	((calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	163	((calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (1, 2, 3, 4, 5, 6, 375/349.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	90	((calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (11, 13, 14, 15, 16, 455/316.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:40
-	11	((((calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (1, 2, 3, 4, 5, 6, 375/349.ccls.)) and (((calibrat\$4 same1 (pluralit\$3 adj1 tone) and vector) and mis\$match or mismatch) and (11, 13, 14, 15, 16, 455/316.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 15:41